IN THE CLAIMS

Please delete claims 1-24 and add new claims 25-48 as follows:

--25. (New) A network for routing telephone calls directed to on-line computer data services from an originating central office to a terminating central office, the network comprising: *(Fig 1)*

(38) a database in communication with the originating central office, the database being *(14)* operative to identify telephone calls to on-line computer data services; *(30-38)*

(24) a data trunk for connecting the originating central office and the terminating central *(14)* office, the data trunk being dedicated exclusively for carrying data transmissions; and *(22)*

(22) a circuit-switch at the terminating central office, the circuit switch being operative to *(24)* connect the data trunk with the on-line data services.

26. (New) The system of claim 25, wherein the database is operative to identify *(26)* telephone calls to on-line computer data services in response to an advanced intelligent *(30-36)* network query.

27. (New) The system of claim 25, wherein the database is further operative to *(26)* identify the data trunk for connecting the originating central office and the terminating *(24)* *(14)* *(22)* central office.

28. (New) The system of claim 25, wherein the database is further operative to *(26)* identify the data trunk for connecting the originating central office and the terminating *(24)* *(14)* *(22)* central office by indexing a dialed telephone number and a point code identifying the originating central office in a routing table.

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29. (New) The system of claim 25, wherein the database further comprises a routing

table that includes a plurality of telephone numbers associated with dial-up access lines to

on-line data services.

30. (New) The system of claim 29, wherein the routing table further comprises a

plurality of point codes that correspond to a plurality of originating central offices.

31. (New) The system of claim 29, wherein the routing table further comprises

a plurality of trunk route identifiers corresponding to a plurality of trunk routes for

connecting a plurality of originating central offices with the terminating central office

32. (New) The system of claim 25, wherein the circuit-switch consolidates access to

on-line data services within a local access and transport area (LATA).

33. (New) The system of claim 25, further comprising a primary rate interface for

connecting the circuit-switch with the on-line data services.

34. (New) The system of claim 25, further comprising a T1/DS1 line for connecting

the circuit-switch with the on-line data services.

35. (New) The system of claim 25, wherein the data trunk comprises a T1 trunk line.

36. (New) The system of claim 25, wherein the circuit-switch is dedicated to receive

only calls to on-line data services.

37. (New) A method of routing a telephone call to an on-line computer data service

from an originating central office to a terminating central office, the method comprising:

(a) determining that the telephone call is directed to an on-line computer data

service;

(b)   identifying an interoffice data trunk route between the originating central office and the terminating central office that is dedicated to carrying only telephone calls to on-line computer data services; and

(c)   routing the call identified in (a) over the interoffice data trunk route identified in (b).

38. (New) The method of claim 37, wherein (a) comprises determining that the telephone call is directed to an on-line computer data service by analyzing a dialed telephone number.

39. (New) The method of claim 37, wherein (a) comprises determining whether a dialed telephone number is associated with an on-line computer data service.

40. (New) The method of claim 37, wherein (a) comprises determining that the telephone call is directed to an on-line computer data service by performing a database query using a dialed telephone number

41. (New) The method of claim 37, wherein (b) comprises identifying an interoffice data trunk route between the originating central office and the terminating central office by performing a database query.

42. (New) The method of claim 37, wherein (b) further comprises indexing a dialed telephone number and a point code identifying the originating central office in a routing table.

43. (New) A database for routing telephone calls directed to on-line computer data services from an originating central office to a terminating central office, the database comprising:

a routing table comprising a plurality of telephone numbers associated with dial-up access lines to on-line computer data services; a plurality point codes corresponding to a plurality of originating central offices, and a plurality of trunk route identifiers corresponding to a plurality of trunk routes for connecting the plurality of originating central offices with the terminating central office; and

service logic to identify a trunk route for connecting the originating central office with the terminating central office,

wherein the plurality of trunk routes are dedicated to carrying only data traffic.

44. (New) The database of claim 43, wherein the routing table is operative to identify the plurality of telephone numbers associated with dial-up access lines to on-line data services by a ten-digit NPA-NXX-XXXX.

45. (New) The database of claim 43, wherein the service logic is operative to identify the trunk route by identifying a ten-digit NPA-NXX-XXXX telephone number associated with the trunk route to the terminating central office.

46. (New) A computer usable medium having computer readable program code embodied therein for routing telephone calls directed to on-line computer data services from an originating central office to a terminating central office, the computer readable program code comprising:

a first computer readable program code for causing a computer to identify the telephone calls to on-line computer data services;

a second computer readable program code for causing a computer to identify an interoffice data trunk route between the originating central office and the terminating central office that is dedicated to carrying only telephone calls to on-line computer data services; and

a third computer readable program code for causing a computer to route the call identified in by the first computer readable program code over the interoffice data trunk route identified by the second computer readable program code.

47. (New) The computer usable medium of claim 46, wherein the first computer readable program code is operative to cause a computer to perform a database query using a dialed telephone number and a point code.

48. (New) The computer usable medium of claim 46, wherein the second computer readable program code is operative to cause a computer to index a dialed telephone number and a point code identifying the originating central office in a routing table.--